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Control and eradication of tubercu-
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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF ANIMAL INDUSTRY
JOHN R. MOHLER, Chief

CONTROL AND ERADICATION OF TUBERCULOSIS IN CATTLE

List of Herds Officially Accredited As Free From Tuberculosis,
And of Herds That Have Passed Successfully One Test
With a View to Certification



CONTROL with a view to the eventual eradication of tuberculosis in cattle is being accomplished by systematic efforts of Federal and State authorities in cooperation with cattle breeder's associations and herd owners.

A definite plan was adopted in 1917 whereby herds of cattle passing the prescribed number of official tuberculin tests should be certified or accredited as free from tuberculosis.

An accredited herd is one that has successfully passed two annual or three semiannual tuberculin tests applied by regularly employed veterinary inspectors of the Bureau of Animal Industry or of the State where cooperative work is conducted, and has otherwise complied with the regulations governing the work.

The work has been in progress long enough to justify publication of the results. The following list shows herds accredited to date, together with those that have passed successfully one test without reactors with a view to certification. If the status of any of the accredited herds on this list is changed, prompt notice of the fact will be furnished to the officials of the various States.

The different breeds of cattle and the names of the owners are arranged in alphabetical order. Additional lists will be published from time to time.

**LIST OF HERDS OFFICIALLY ACCREDITED AS FREE FROM
TUBERCULOSIS, AND OF HERDS THAT HAVE
PASSED SUCCESSFULLY ONE TEST WITH
A VIEW TO CERTIFICATION.**

The herds under the heading "Accredited" are those accredited by the State officials and the United States Department of Agriculture as free from tuberculosis. Those under the heading "Once tested without reactors" have passed successfully one official tuberculin test. A large number of other herds have been tested officially, but as one or more reacting or suspected animals were found in each of them, such herds do not appear in the list. If upon later tests the herds are found to be free from tuberculosis they will appear in subsequent lists.

ABERDEEN-ANGUS.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Anderson, W. J.....	Winnebago, Minn.	27	2		
Berg & Haagensen.....	Cumings, N. Dak.	19			
Berry, A. M.....	Mitchells, Va.	1			
Boyd, D. C.....	Saint John, N. Dak.			16	5
Burke, E. E.....	Stewartville, Minn.	12			
Campbell, Wallace.....	Plainview, Minn.	19	3		
Candor, R. A.....	Cogswell, N. Dak.	14			
Cannon, Fred D.....	Huntley, Minn.	30	5		
Carrington, B. A.....	Carrington, N. Dak.	11			
Cocker, N. R. & W. J.....	Lanesboro, Minn.	9			
Dawson, John.....	Mandan, N. Dak.	2	1		
Eastgate Bros.....	Larimore, N. Dak.	1			
Garnett, S. H.....	Locust Dale, Va.	12	4		
Hartley Stock Farm.....	Page, N. Dak.	2			
Helson, Carl.....	Roth, N. Dak.	1			
Howe, A. E.....	Alexandria, Minn.	24	1		
Kent, James L.....	Pulaski, Va.	9	15		
Marquardt, Otto.....	Devils Lake, N. Dak.			16	
Molvig, Andrew.....	Buxton, N. Dak.	1			
Morrison, G. H.....	Fredericksburg, Va.	3	47		
Neverman, Carl.....	La Moure, N. Dak.	1			
Neverman, Henry.....	La Moure, N. Dak.	5			
Olson, J. O.....	Nelson, Minn.	41	3		
Palmer, J. M.....	Wolford, N. Dak.			30	
Purvis, George E.....	Eyota, Minn.	37			
Riddell, G. H.....	Balaton, Minn.			16	4
Seaman, Charles.....	Mandan, N. Dak.	3			
Thoreson, O. C.....	Peterson, Minn.	61	10		
Ulvestad, Peter J.....	Whalan, Minn.	26	9		
Ward, D. & B.....	Selma, Ala.	39			
Willford, E. C.....	Canton, Minn.			50	
Wood, L. A.....	Luverne, N. Dka.	4			
Yearout, Sam.....	Maryville, Tenn.	28	18		

AYRSHIRE.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Bell, E. H.	Swanton, Vt.	10	10		
Chandler, E. M.	North Yakima, Wash.	7			
Collins, J. O.	Swanton, Vt.	36	1		
Connecticut Agricultural Col- lege	Storrs, Conn.	9			
Dean, Alvin F.	Portland, Me.	15			
Eaton, A. W.	Pittsfield, Me.	2			
Files, E. W.	Portland, Me.			21	2
Gallinger, R. J.	Glenwood, Minn.	27			
Groom, H. C.	Warrenton, Va.	10			
Halone, Henry	Rolla, N. Dak.			23	
Holden, M. C.	Pittsford, Vt.	36			
Ladd, C. S.	Norwich, Vt.	9	11		
Lynch, R. E.	Zimmermann, Minn.			20	
Prince, J. M.	Walnut Hill, Me.	10	1		
Reymann, Paul O.	Wheeling, W. Va.	119			
Rhode Island Agricultural College	Kingston, R. I.	4	4		
Richards, C. C.	Oaklandon, Ind.	10	37		
Richards, E. K.	Concord, Vt.	5	12		
Whalen, P. E.	Brandon, Vt.	2			
Wilcox, J. F.	Excelsior, Minn.			18	
Winslow, C. M.	Brandon, Vt.	21	1		

BROWN SWISS.

Johnson & Wood	Muncie, Ind.	1	13		
Salisbury, Mrs. E. L.	Rolette, N. Dak.			14	
Yoder, M. S.	Shipshewana, Ind.			13	

DEVON.

Palmer, E. G.	Ridgeway, S. C.	35	7		
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DUTCH BELTED.

Mellen, C. S.	Stockbridge, Mass.	21			
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GALLOWAY.

Skeels, L.	Regan, N. Dak.	7			
Van Valkenberg, H. W.	Osakis, Minn.	16	11		

GUERNSEY.

Adams, W. R.	Mankato, Minn.			18	10
Agnew, J. S., & Son.	Burkeville, Va.			10	29
Bacchus, T. W.	Elkton, Md.	21			
Ballard Bros.	Niles, Mich.	33	2		
Barnhardt, H. J.	China Grove, N. C.	1	5		
Beall, J. L.	Linwood, N. C.	5	37		
Bean, A. W.	Forestville, Md.	1	19		

GUERNSEY—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Purebred.	Grade.
Bell & Prentice.....	Winona, Minn.			27	27
Bernhardt, G. M.....	Salisbury, N. C.	2	19		
Black, J. B.....	Mansfield, Ohio.			25	
Blagden, Samuel.....	Williamstown, Mass.			4	43
Blake, Ronald.....	Fairfax, Va.	5	10		
Breitrick, Charles.....	Appleton, Wis.	33			
Brown, Herbert J.....	Portland, Me.			10	
Butler, W. H.....	Sandusky, Ohio.	3	5		
Carpenter Farms Co.....	Pearson, Md.	5	6		
Chamberlain, G. E.....	South Newbury, Vt.	12	21		
Chamberlain, LeRoy.....	Paeonion Springs, Va.			14	22
Chichester, R. H. L.....	Fredericksburg, Va.				31
Christian, W. L.....	Granger, Ind.	7	8		
Cole, W. S.....	Purcellville, Va.	2	20		
Colenso, J. E.....	Curles Neck Farm, Rich- mond, Va.		14		
Connecticut Agricultural Col- lege.....	Storrs, Conn.		7		
Cook, O. L.....	Tontogany, Ohio.	3	1		
Cooper, James H.....	Courtney, N. Dak.	8	7		
Cooper, R. M., Jr.....	Wisacky, S. C.	29	6		
Correll, W. G.....	China Grove, N. C.	1	7		
Courter, J. C.....	Jetersville, Va.			4	28
Crane, P. H., & Bro.....	Lebanon, Ind.			48	
Crowe, John.....	Dassell, Minn.	15	24		
Danks, Dell.....	Stoughton, Wis.	19			
Danks, J. Russell.....	De Lancey, N. Y.	20			
Delaware College and Agri- culture Experiment Station	Newark, Del.	34	20		
Dillon, J. D.....	Purcellville, Va.	15			
Dodd & Verts.....	Round Hill, Va.	1	23		
Drew, Fred.....	McLean, Va.	3	28		
Drummond, A. T.....	Waterville, Me.	17	2		
Dulaney, C. B.....	Ruckersville, Va.	4	37		
Dulin, H. S.....	Bluemont, Va.	12	8		
Du Luth, Jean.....	Duluth, Minn.			61	
Dunning, James A.....	Bangor, Me.	7			
Earnhardt, B. A.....	Rockwell, N. C.	1	4		
Eaton, A. W.....	Pittsfield, Mass.			4	10
Eberhardt, E. H.....	Albert Lea, Minn.	12	27		
Edgerly, Oliver.....	Grand Rapids, Mich.	10	21		
Eggleston, Gray.....	Calverton, Va.	1	24		
Finkbine, W.....	Annapolis, Md.	1	28		
Fisher, C. M.....	Rockwell, N. C., Route 1....	1	10		
Fisher & Morrison.....	Salisbury, N. C.	1	33		
Fisher, William E.....	Wauwatosa, Wis.			16	1
Fox, A. W., & Son.....	Waukesha, Wis.	45	8	18	38
France, J. I.....	Port Deposit, Md.				
French, A. L.....	Anoka, Minn.	16	2		
French, S. E.....	La Moure, N. Dak.	4			
Gemmer, J. W.....	Leesburg, Va.	3	24		
Gile, A. L.....	Chintook, Wash.			50	60
Gould, W. H.....	Burkeville, Va.	6	33		
Graves & Murphy.....	Aitkin, Minn.			20	
Hageman, L. E., & Son.....	Hastings, Minn.	13	17		
Harness, Harry E.....	Sharpsville, Ind.	1	8		
Hartley, G. G.....	Duluth, Minn.			120	
Harvey, J. M.....	Waukesha, Wis.	8	11		

GUERNSEY—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Height, G. A.	Fairfax, Va.	3	23		
Hemingway, Earl.	Sodus, Mich.	8	8		
Hoard, A. R.	Fort Atkinson, Wis.			80	
Hoard, W. D.	Fort Atkinson, Wis.			59	
Hoge, L. Clark	Purcellville, Va.			6	28
Holmes, E. S.	Leesburg, Va.	3	34		
Hosteter, S. E.	Denbigh, Va.	2	6		
Houck, G. F.	Mount Ulla, N. C.	1	6		
Howard, A. F.	Farmville, Va.			5	26
Hughes, A. I.	Oregon City, Ore.	14			
Hurlburt, C. H.	Peterboro, N. H.	3			
Hurbert, J. L.	Charlottesville, Va.	1	3		
James, Mrs. Arthur Curtis	Newport, R. I.	15			
Jamison, W. G.	Appleton, Wis.	47			
Jones, E. F.	Lake Elmo, Minn.			11	10
Ketchey, J. A.	China Grove, N. C.	1	1		
Ketchey, J. M.	China Grove, N. C.	1	4		
Kimball, F. W.	Waltham, Minn.	22	3		
Knauff, J. A., & Son	Mercer, Pa.	3	7		
Lincoln, A. L.	Norwell, Mass.	36			
Lindabury, R. V.	Newark, N. J. (Bernardsville, New Jersey)	47			
Loring, A. C.	(Woodend Farm) Mound, Minnesota			63	
Love, S. G.	Waukesha, Wis.			38	18
McBurney, Henry	Stockbridge, Mass.	25	9		
McCray, R. J.	Paeonian Springs, Va.	2	13		
McFarline, R. B.	Alexandria, Minn.	5	12		
McKerron, George, & Sons	Pewaukee, Wis.	50			
McMurdo, A. E.	Charlottesville, Va.	1	17		
McQuinn, J. S. & E. G.	Newcastle, Ind.	18	29		
Mallory, Robert B.	Williamsburg, Va.	12			
Malmgren, A.	Hickory, Va.	1	27		
Marsh, W. W.	(Prospect Farm) Waterloo, Iowa	18			
Miller, H. G.	Sheyenne, N. Dak.	25			
Miller, I. G.	Putney, Vt.	14			
Miller, R. J.	Oakton, Va.	2	52		
Mills, O. H.	Mooresville, Ind.			15	19
Nahrgang, J. H.	Lewiston, Minn.	19	16		
Neel, C. L.	Salisbury, N. C.	9	5		
Nelson, John P.	Stillwater, Minn.			22	
Nettleton, William	Lewiston, Minn.			1	
Norman, T. C.	Lake Crystal, Minn.			17	18
North Dakota State Agricultural School	Fargo, N. Dak.			22	
Norton, Ralph C.	Portland, Me.	7			
Osborne, H. A.	Canton, N. C.	4	40		
Ott Bros.	Albert Lea, Minn.	8	44		
Paul, C. M.	Staunton, Va.	10	10		
Payne, R. W.	Drakes Branch, Va.	1	29		
Payson, Herbert	Portland, Me.	2			
Peacock, N. A.	Purcellville, Va.	3	10		
Pope, G. D.	Pontiac, Mich.	8	3		
Rauth, J. George, & Son	Boonville, Ind.	4	23		
Rawlings & Roller	(R. F. D.) Staunton, Va.	4	25		
Reynolds, R. J.	Staunton, Va.	1	26		

GUERNSEY—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Reynolds, W. N.....	(West View Stock Farm) Winston-Salem, N. C.....				
Rice, C. T.....		4	29		
Oakton, Va.		7	17		
Richey, J. A. & J. T.....		8	7		
Rodgers, Charles.....					
Madison, Ind.		12			
Rowan County Cooperative Guernsey Bull Association.	Salisbury, N. C.	1			
Rowe, M. B.	Fredericksburg, Va.			27	7
Ruels, F. W.	Caledonia, Mich.	9	5		
Ryan, Thomas F.	Oak Ridge, Va.			17	
St. Joseph Institute.	Bristow, Va.	1	17		
Salsbury, B. F.	Fairfax, Va.	15	1		
Saunders & Myers.....	Leesburg, Va.	7	57		
Saunders, W. D.	Ferrum, Va.	1	165		
Scott, A. R.	Richmond, Va.	12	12		
Scott, J. O.	Richmond, Va.	1	85		
Shaw, Albert.....	Sterling, Va.	5	212		
Shimp, Delbert.....	Granger, Ind.	2	8		
Skaar, Chris.....	Hayward, Minn.	11	9		
Skaar, M. S. & C. A.	Hayward, Minn.	13	11		
Smallidge, E. J.	Eau Claire, Mich.	25	1		
Smith, F. C.	Mukwonago, Wis.	8	26		
Smith, F. M.	Ivy, Va.	1	61		
Spaulding, F. L.	Augusta, Me.	9	2		
Steele, Victor.....	Albert Lea, Minn.	11	15		
Stoll, Lewis.....	Mora, Minn.	28	9		
Stone, George C.	Saginaw, Minn.			80	
Streud, M. K.	Herndon, Va.	5	13		
Swan, Frank E.	Wauwatosa, Wis.	43			
Tenny, D. D.	Crystal Bay, Minn.			37	
Thompson, A. H.	Herndon, Va.	1	12		
True, Nathan C.	Litchfield, Me.	14			
Umholtz, William.....	Niles, Mich.	11	5		
United States Department of Agriculture, Bureau of Ani- mal Industry.....	Dairy Division Farm, Belts- ville, Md.	11	32		
Waddell, H. G.	Charlottesville, Va.	1	12		
Wagner, J. B.	Potosi, Wis.	1	21		
Wallace, G. M.	Fredericksburg, Va.	33	2		
Walker, Frank S.	Orange, Va.			8	11
Welles, M. F.	Rosendale, Wis.	70			
Welsh, F. G.	Purcellville, Va.	1	25		
Whitney, Nate.....	Albert Lea, Minn.	1	29		
Wilson, Mrs. H. P.	Alexandria, Va.	2	4		
Wooding, A. S.	Sutherlin, Va.	1	22		
Woolley, E. G.	Richmond, Utah.			19	4

HEREFORD.

Adney, C. G.	Corinne, Utah.	31		
Affelett, Julius.....	Hamberg, N. Dak.	28		
Agricultural College of Utah.....	Logan, Utah.	21		
Alabama Hereford Farm.....	Gastonburg, Ala.	90	3	
Allen, Victor.....	Buford, Ga.	52		
Anderson, James T.	Marietta, Ga.	66	11	

HEREFORD—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited,	
		Pure bred.	Grade.	Pure bred.	Grade.
Applen, J. A.	Reeder, N. Dak.	16	10		
Archibald, J. D.	Thomasville, Ga.	37			
Bangasser, Frank	Garvin, Minn.	30			
Bell, N. J.	Calhoun, Ala.	107	34		
Blandy, G. F.	White Post, Va.	60	2		
Bowman, H. E.	Buford, Ga.	7	11		
Brown, E. O.	Augusta, Me.	16	6		
Burkhardt, John	Omemee, N. Dak.	12			
Byers Bros.	Harrisonburg, Va.	21	7		
Chattahoochie Lumber Co.	Lela, Ga.	76	19		
Christianson, Nils	Rolette, N. Dak.	15			
Christie, R. W.	Woodlake, Minn.	36			
Cooper, A. J.	Williston, N. Dak.	48			
Davidson & Shaw	Williston, N. Dak.	4			
Droogsma, Sam	Princeton, Minn.	20	4		
Dunnaway & Lambert	Orrville, Ala.	145	17		
Emery, William P.	Macleay, Ore.	10	5		
Enochs & Wortman	R. D., Jackson, Minn.	24	3		
Florence, W. L.	Powder Springs, Ga.	81	10		
Gallivan, J.	Hugo, Minn.			25	
Giltner Bros.	Eminence, Ky.	146	8		
Hanks & Stone	Powers Lake, N. Dak.			74	
Hill, L. W.	Locust Dale, Va.	30	9		
House, H. C.	Salem, N. Dak.	11			
Kennedy, A. G.	Crith, N. Dak.	5	46		
Kennedy, J. L.	Troy, S. D.	4	43		
Kersting, B. A.	Hope, N. Dak.	6			
Latham, B. E.	Mebane, N. C.	13	26		
Lemieux, Peter	Rolette, N. Dak.	1	16		
Livingston, Gerald	Bowman, N. Dak.	19			
Lunsford, Evans	Covington, Ga.	48			
Martin, J. T.	McCormick, S. C.	1	8		
Martin, William	Kentland, Ind.	17	2		
Melin, Bennett I.	Red Wing, Minn.	9	10		
Miller, G. A.	Faribault, Minn.	34	3		
Morrah, W. D.	Troy, S. C.	2	40		
Mullendore, F. R.	Franklin, Ind.	31	1		
Munroe, Charles	Crary, N. Dak.	2	16		
Ofstedahl, O. C.	Sheyenne, N. Dak.	2			
Petersen, O. P.	Grace City, N. Dak.	12			
Pitcher, Will	Blue Earth, Minn.	14			
Priddy, J. L., & Son	Warren, Ind.	67	35		
Ritchie, J. M.	Charleston, Utah.	12			
Rogers, Jas. H.	Roxboro, N. C.	4	1		
Shingler, A. T.	Donaldsonville, Ga.	65	26		
Sorensen, C. P.	Balaton, Minn.	78	9		
Swift, E. M.	Bismarck, N. Dak.	14			
Swope, Felix H.	Georgetown, Ky.	14	4		
Tate Estate, The	Baltaton, Minn.			50	
Thomas, Robert S.	Portland, Me.	6			
Tweton, J. T.	Rolette, N. Dak.			68	
University of Tennessee	Knoxville, Tenn.	2			
Waldron, R. G.	Byron, Minn.			45	
Whiting, John C.	Charleston, Utah.	7			
Wing, O. B.	Wilton, N. Dak.	5			
Winterton Bros.	Charleston, Utah.	11			
Zupp, J. F.	Blue Earth, Minn.	36	13		

HOLSTEIN-FRIESIAN.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Abbey, Charles.....	Gilby, N. Dak.....				30
Adams, Silas B.....	Portland, Me.....	3	2		
Agricultural College of Utah.....	Logan, Utah.....	21			
Aitken, D. D.....	Flint, Mich.....	27			
Anderson, A. I.....	Wild Rice, N. Dak.....	1	23		
Anderson, O. & Son.....	Willmar, Minn.....			22	4
Andes, S. K.....	Remington, Va.....	3	36		
Andrews, C. W.....	Walhalla, N. Dak.....			22	
Arden Dairy Farm.....	Saint Paul, Minn.....			140	
Armstrong, A. D.....	R. R. 13, Grove City, Pa.....	1	14		
Armstrong, Lida.....	Grove City, Pa.....	3	9		
Aylworth, C. P.....	Richmond, Utah.....	9			
Balduf, G. F., & Son.....	Diamondale, Mich.....	36			
Basch, William.....	Berlin, Mich.....	11	10		
Bausum, F. L., & Son.....	Annapolis, Md.....	1	53		
Bee, S.....	Charleston, S. C.....	1	11		
Benson, A.....	Lynden, Wash.....	25			
Berry Bros.....	McLean, Va.....			16	19
Biddle, W. L., & Son.....	Swanton, Ohio.....	28			
Black, A. R., & Sons.....	Lansing, Mich.....	11	9		
Block, August.....	Hutchinson, Minn.....	16	14		
Bowles, Edward G.....	Grove City, Pa.....	3	6		
Boynton, W. D., & Son.....	Medford, Minn.....			10	12
Brady, R. N.....	Rapidan, Va.....	10	49		
Bready, B. H.....	Herndon, Va.....	14	11		
Brosius, E. J.....	Stillwater, Minn.....			31	
Brown, H. J.....	Portland, Me.....	1			
Burbach, C. H.....	Waukesha, Wis.....	40			
Burkholder, A. M.....	Wauseon, Ohio.....	10			
Burr, O. P.....	Romford, Conn.....	4		15	
Buttke, William.....	Havana, N. Dak.....	2			
Carlstad, A.....	Dassell, Minn.....			30	
Carnation Stock Farm.....	Seattle, Wash.....	350			
Carr Bros.....	Charlottesville, Va.....	1	46		
Carter, Shirley.....	Ashland, Va.....	2	20		
Cass, O. S.....	Sauk Center, Minn.....	17	9		
Chadwick, H.....	Jackson, Miss.....	1			
Chambers, Alexander.....	Owatonna, Minn.....	23			
Christ, D. M.....	Owatonna, Minn.....	34			
Clarkson, J. Abney.....	Brookewood, Va.....	5		45	
Cleveland, City of.....	Warrensville, Ohio.....	128			
Collier, Edgar.....	Fowlerville, Mich.....	27			
Connecticut Agricultural Col- lege.....	Storrs, Conn.....	26			
Coogan, C. M.....	Watertown, Wis.....			35	
Cook, Joseph.....	Burlington, Wis.....	13	6		
Couzens, James.....	Pontiac, Mich.....	105			
Crabill, H. S.....	Toms Brook, Va.....	4	7		
Crandal, Mrs. Rosalie.....	Howell, Mich.....	7			
Crawford, A. B.....	Newark, Ohio.....	19		16	
Crenshaw, W. G.....	(Mayhurst Farm) Orange Virginia.....			5	51
Crenshaw, W. G.....	Pleasant View Farm, Orange, Va.....			1	34
Cummings, A. D.....	South Paris, Me.....	26			
Dahlin, H.....	Forest Lake, Minn.....			15	
Dale, W. C.....	(Mapledale Farm) R. R. 13, Grove City, Pa.....	1	13		

HOLSTEIN-FRIESIAN—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Darcey, Dennis.....	Clyman, Wis.....	11			
Darcey, Francis.....	Watertown, Wis.....			11	
Darcey, Thomas.....	Watertown, Wis.....	20			
Davis, Peter H.....	Bangor, Me.....	19			
Decker, H. R.....	South Montrose, Pa.....	2	4		
De Pauw, Mrs. N. T.....	Haymarket, Va.....			1	53
Dibble, & Sons.....	Cannon Falls, Minn.....	43			
Duane, J. H.....	Ford, Va.....	3	26		
Dusenbury, A. B.....	Chesterland, Ohio.....	19			
East State Hospital.....	Williamsburg, Va.....	3	59		
Edman, H. J. & Harry.....	Gwinner, N. Dak.....	10	7		
Elliott, H. C.....	Roanoke, Va.....	15	17		
Episcopal High School.....	Alexandria, Va.....	1	12		
Fail, Claire.....	Laporte, Ind.....	1	17		
Faulkner, M. A.....	Albany, Minn.....	14	4		
Fifield, J. E.....	Remington, Va.....	1	24		
Fleckenstein, E.....	Faribault, Minn.....	36			
Frank, A. C.....	Auburn, Me.....	3	3		
Frazier, J. A.....	Mitchells, Va.....	1	27		
Funk, C. L.....	Richmond, Utah.....			30	7
Gardner, C. E.....	Rapidan, Va.....	4	5		
George, H. C.....	Okeana, Ohio.....	3	17		
Gilpatrick, Arthur W.....	Danforth, Me.....	16	10		
Glaettli, Carl.....	Catlett, Va.....	13	28		
Goetsch, Joseph.....	Waltham, Minn.....	27	2		
Goshen College.....	Goshen, Ind.....			1	8
Graham & Hanson.....	Rochester, Minn.....	30			
Grahamholm Farm.....	Rochester, Minn.....	98			
Gray, N. H.....	Fergus Falls, Minn.....	14	4		
Greenbank Co.....	Greenbank, Wash.....	18			
Gregory & Borden.....	Howell, Mich.....	27			
Griffen, William.....	Howell, Mich.....	14			
Hagen, H. B.....	Biscay, Minn.....	3	27		
Haight, Marvin.....	Gobleville, Mich.....	31			
Hale Bros.....	Nokesville, Va.....	2	40		
Hanson, O. W.....	New Richmond, Minn.....	3	15		
Hare, E. E.....	Havana, N. Dak.....	2			
Harper, W. R.....	Middleville, Mich.....	13			
Hartley, Japeth.....	Gobleville, Mich.....	8	3		
Haseelen, Charles.....	Waterloo, Wis.....	25			
Haseelen, M. T.....	Waterloo, Wis.....			29	
Hawes, S. H.....	West Brookville, Me.....	1	6		
Heifert, E. A.....	Stillwater, Minn.....			27	
Hendricks, E. F.....	Mayer, Minn.....	3	10		
Hendricks, O. E.....	Mayer, Minn.....			14	1
Hiden, J. G.....	Culpeper, Va.....	1	51		
Hinds County Agricultural High School.....	Raymond, Miss.....	3	2		
Hobbs, E. T.....	Norway, Me.....	11			
Hogstad, J. O.....	Franklin, Minn.....			20	
Holle, H. W.....	Youngstown, N. Dak.....	16	6		
Hopkins, J. W.....	Charlottesville, Va.....			1	
Horine, M. H.....	Jefferson, Md.....	1	10		16
Hovdesven, A.....	Cottonwood, Minn.....				
Howard, F. B.....	Ionia, Mich.....	20			
Hug, Charles S., & Son.....	Howell, Mich.....	20			
Hunsberger, C.....	Grand Rapids, Mich.....	27	4		
Indiana State Prison.....	Michigan City, Ind.....	5	17		

HOLSTEIN-FRIESIAN—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Jackson, W. W.	Farmville, Va.	1	30		
Jenne, J. N.	Burlington, Vt.	6	19		
Jergens, Henry	Biscay, Minn.	13	32		
Johnson, J. W.	Wild Rice, N. Dak.	1	12		
Johnson, William A.	Glencoe, N. Dak.	3	18		
Johnston, Frank R.	Waterloo, Wis.	13	1		
Jones, B. R. & Son	South Montrose, Pa.	15			
Jorgenson & Frantz	(Care of Dr. W. J. Fretz, A r m y Building), Saint Paul, Minn.	5			
Juliette Home	Indianapolis, Ind.	16			
Kaboops, William	Ada, Mich.	14			
Kanfield, F. S.	Augusta, Mich.	48			
Kersting & Griniwood	Hope, N. Dak.	1			
Kite, J. P.	Somerset, Va.	1	35		
Kleckner, H. S.	Redwood Falls, Minn.	6	7		
Kleckner, H. T.	Redwood Falls, Minn.				13
Klusman, J.	Youngstown, N. Dak.	8	17		
Knapp School of Country Life	Nashville, Tenn.	30			
Knightly, H. A.	Norway, Me.	4	3		
Knooihuizen, Ray	Holland, Mich.	11	5		
Koontz, A. E.	Valley City, N. Dak.	1	14		
Koppling, Emil	Reeseville, Wis.	3	13		
Kritselis, A. K.	South Boston, Va.	5	13		
Kroeger, Fred	Youngstown, N. Dak.	17	2		
Kroeger, Henry	Youngstown, N. Dak.	1			
Kroneman, Max	Fergus Falls, Minn.	11	15		
Lac du Flambeau, Indian School	Lac du Flambeau, Wis.	1	23		
Lashbrook, U. L.	Northfield, Minn.				39
Lehman, Theo	Watertown, Wis.	25			
Lenz, W. W.	(Clover Hill) Reeseville, Wis	13	9		
Lepard, Henry	Lake Odessa, Mich.	16			
Lee, J. B., & Son	Hanover, Va.	11	34		66
Lillie, F. R.	Arlington Heights, Ill.				
Lipke, Charles	Chatham, Va.	1	15		
Lohmann, H. A.	Duluth, Minn.	8			
Loomis, A. F.	Owasso, Mich.	14	1		
Louisiana State University Experiment Station	Baton Rouge, La.				12
Love, S. G.	Waukesha, Wis.	39	17		
Lynn, Lucien	Sterling, Va.	1	20		
Lynn, Mrs. Roberta	Bristow, Va.	1	29		
Lyons, M. S.	Calais, Me.	22			
McArthur & Stauff	Rickreall, Ore.	28			
McClelland, Samuel	Grove City, Pa.	4	3		
McDonough, W. R.	Howell, Mich.	11			
McIntyre, L. E.	East Waterford, Me.	32			
McLarty, A. J.	Starkweather, N. Dak.	14			
McNeil, A. J.	Havana, N. Dak.	2			
McNitt, E. W.	Grand Rapids, Mich.	65			
Mahoney, M. A.	Mitchells, Va.				11
Malone, T. H.	Rowanta, Va.	5	9		
Manassas Industrial School	Manassas, Va.	1	4		
Mankowski, Wallace	Mooreton, N. Dak.	2			
Mann, W. J., & Son	Waukesha, Wis.	25			
Maplecrest Stock Farm	Chardon, Ohio.	5			
Marchant, H. L.	Healys, Va.	9	6		

HOLSTEIN-FRIESIAN—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade	Pure bred.	Grade
Marlow & McCarger.	Judson, Minn.	38			
Martin, H. J.	Fair Play, Md.	23	9		
Martin, J. B.	Hamilton, N. Dak.			11	
Martin, W. H.	Liberty, S. C.	1	6		
Maxwell, J. L.	East Spartanburg, S. C.	3	11		
Meeker, Ray.	Muncie, Ind.			28	
Merkle, J. F.	Kent, Ohio.	10	18		
Meyer, Dick.	New Salem, N. Dak.	2	18		
Meyer, H. J.	Arlington, Minn.			23	
Michaels, F. C.	Youngstown, N. Dak.	21			
Miller, E. P.	Northfield, Minn.	23			
Miller, I. G.	Putney, Vt.			8	
Miller, J. P. F.	Bealeton, Va.			6	23
Miller, J. W.	Nokesville, Va.	1	34		
Minnick, E. N.	Timberville, Va.	12	11		
Minor, Estate of H. C.	Houma, La.	30	38		
Mohler, F. M.	Herndon, Va.	15	20		
Molter, A. W.	French, Minn.	8	28		
Morgan, L. E.	Baton Rouge, La.	12	6		
Morton, Frederick B.	Saint Albans, Vt.	15	20		
Moscrip, W. S.	Lake Elmo, Minn.			76	
Moyer, Oliver.	Mattoax, Va.	7	30		
Mullen, T. J.	Watertown, Wis.	24			
Munsell, S. H.	Howell, Mich.	23			
Nathan, E. C.	Fredericksburg, Va.	11	29		
Nelson, P. N.	Richmond, Utah.			11	1
Nilson, P. T., & Bro.	North Saint Paul, Minn.			22	
Nims, Karl.	East Orwell, Ohio.	14	2		
Norman, D. H., & Son.	Chatham, Va.	5	35		
North Dakota State Agricultural School.	Fargo, N. Dak.			21	
Norinan, D. H., & Son.	Howell, Mich.	16	16		
Noyes, A. A.	Jefferson, Wis.	7	5		
Oppiger, E. J.	Forest Lake, Minn.			30	
Opre, Austin G.	Grove City, Pa.	2	4		
Paul, J. L.	Norwalk, Ohio.	2	8		
Parrish, W. A.	Union City, Tenn.	39	13		
Payson, Herbert.	Portland, Me.	3			
Peabody, Charles.	Seattle, Wash.	90			
Pemberton, Tom.	Greensboro, N. C.	3	14		
Pennoyer, Fremont.	Culpeper, Va.	1	16		
Peters, C. H.	Biscay, Minn.	1	17		
Petersen, Niels P.	Oberon, N. Dak.	7	11		
Pfau, Albus.	Howell, Mich.	26			
Phillips, Louis.	Norge, Va.	6	11		
Pierce, V. B.	Brandy, Va.	1	24		
Pike, S. C.	Montpelier, Vt.	3			
Piper, John E.	(Ebenezer Stock Farm) Watertown, Wis.	31			
Pond, Martin.	Lewiston, Utah.	10			
Pope, G. B.	Glendive, Mont.	2		3	
Prindle, O. L.	West View, Ohio.	13			
Rainer, W. S.	Barnum, Minn.	10			
Reddelein, H. E.	Oconomowoc, Wis.	19			
Reed, H. E., & Son.	Howell, Mich.	23			
Reid, J. J., & Son.	Oconomowoc, Wis.			48	
Rising, H. E.	Woodland, Minn.	20			
Rollin, John.	Clinton, Minn.			19	

HOLSTEIN-FRIESIAN—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade	Pure bred.	Grade.
Rollin, J. P.	Clinton, Minn.	9	6		
Rood, Ed.	Valley City, N. Dak.	10	12		
Ryder, F. M.	Hiram, Ohio.	28			
Schaefer, R. T.	Appleton, Wis.	42			
Schermerhorn, J. B.	Mason City, Iowa.	13			
Schmidt, William.	Hutchinson, Minn.				
Schwarting, H.	Youngstown, N. Dak.	31		30	
Schwedler, E.	Gresham, Ore.	3	13		
Schwinghammer, J. A.	Albany, Minn.	18	10		
Scott, A. R.	Richmond, Va.	7	55		
Seely, R. B.	Sherwood, Ore.	13	6		
Sheppard, Benjamin.	Buffalo Lake, Minn.	8	11		
Shuler, Mrs. Alice.	Motley, Va.			17	7
Skanlen Old People's Home.	Stoughton, Wis.	26	6		
Smith, A. E.	Sumas, Wash.	100			
Smith, D.	Devils Lake, Minn.	2	17		
Smith, Emerson H.	Fargo, N. Dak.	21			
Sommers, Julius P.	Waseca, Minn.	35			
Spaulding, C. A.	Warren, Minn.	36	34		
Spear, C. C.	Elk River, Minn.	13			
Spolonskost, F. J.	Braddock, N. Dak.	17			
Steidl, F. J.	Wheaton, Minn.			24	
Stensrud Bros.	Watson, Minn.			30	
Stensrude, Ole.	Kenmare, N. Dak.	15			
Stillman & Hamilton.	Waukesha, Wis.	5	18		
Stockman, J. H.	Jefferson, Md.	3	6		
Stubbs, John W.	Charleston, Utah.	22			
Sugden, William.	Hallock, Minn.	13			
Sullivan, Sam, & Son.	Brandy Station, Va.	22	4		
Taylor, J. P.	Orange, Va.			70	
Thompson, Edward.	Indianapolis, Ind.	2	1		
Thompson, J. G.	Landover, Md.	6	36		
Thurston, B. S.	Jefferson, Ore.	8	8		
Tomah Indian School.	Tomah, Wis.	59			
Torreynson, A. D.	Ballston, Va.	1	42		
Trenis, L. W.	Catlett, Va.	8	20		
Trimble, G. A.	Evansville, Ind.	6	18		
Trout, Dr. Hugh.	Roanoke, Va.	14	20		
Tucker, Benj.	Norway, Me.	15	1		
Tuttmann, Henry.	Watertown, Wis.	27	2		
Uber, R. L.	Grove City, Pa.	1	3		
United States Department of Agriculture, Bureau of Ani- mal Industry.	Dairy Division Farm, Belts- ville, Md.	12	23		
United States Soldiers' Home Dairy.	Washington, D. C.			134	
Van Houten, J.	Valley City, N. Dak.	15	3		
Van Huizen, J. H.	Grand Havre, Mich.	2	13		
Van Steuart, Constant.	Devils Lake, N. Dak.	1	14		
Virginia School for Deaf and Blind.	Staunton, Va.	11	19		
Virginia State Epileptic Col- ony.	Madison Heights Va.			21	38
Waite, G. W.	Easonville, Ala.	27	69		
Walker, Charles E.	Glencoe, Minn.	20	5		
Walker, C. W.	Contone, Me.	2			
Walker, E. E.	Havana, N. Dak.	4			

HOLSTEIN-FRIESIAN—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Walker, Frank S.	Orange, Va.			45	18
Wambersie, E. E.	Orange, Va.	2	37		
Warden, Henry	Fredericksburg, Va.	1	69		
Warren, H. S.	Jackson, Miss.	1			
Washburn, H. A.	Moline, Mich.			27	
Waslen, Charles F.	Waterloo, Wis.	39			
Weymouth, Samuel	Gray, Me.	14	9		
Welch, F. A.	Grafton, N. Dak.	15			
Wells, Commander Chester	North Chevy Chase, Md.	3			
Wendlundt, A.	Good Thunder, Minn.	27			
Wertz, J. G.	Salem, Va.	7	10		
West, Byron A.	Mount Vernon, Wash.	17			
West Tennessee Experiment Station	Jackson, Tenn.	19			
Wheelwright, J. H.	Ellicott City, Md.	8	4		
Wiel, A. Leo	Widewater, Va.	34	10		
Wilkins, Dick	Youngstown, N. Dak.	8	13		
Wilkinson, M. H.	Allegan, Mich.	3	5		
Willard, W. M.	Grand Rapids, Mich.	11			
Williams, E. A.	Lebanon, Ind.	8	9		
Williams, F. H.	Allegan, Mich.	18			
Willis, H. C., & Bro.	Rapidan, Va.	1	22		
Winship, E. T.	Owatonna, Minn.	27			
Winslow, Percy	Hastings, Mich.	21	8		
Withycombe, George H.	Gaston, Ore.	15			
Wolton, Frank	Gessie, Ind.	47	5		
Woodward, C. L.	South Royalton, Vt.	8	13		
Woodward, Henry M.	Howell, Mich.	11	1		
Woodworth, L. M.	Rockford, Mich.	13	6		
Wright, F. A.	Route 1, Staunton, Va.	4	10		
Wright, William	Fergus Falls, Minn.	19	13		
Yentema, John	Hudsonville, Mich.	8	9		
Zickert, Otto	Rosendale, Wis.	5	10		

JERSEY.

Altman, B. C.	Gresham, Ore.	23			
Ames, Mrs. J. B.	Castine, Me.	1	19		
Ames, Leslie	Waterville, Me.	4	8		
Andrews, J. S.	Orange, Va.			22	12
Atkinson, Thomas	Gordonsville, Va.			11	34
Bailey, Alva C.	Quaker City, Ohio.	41			
Baldwin, F. C.	Fredericksburg, Va.			55	
Barksdale, A. S., & Son	Randolph, Va.	1	25		
Bass, C. M.	Rice, Va.			5	27
Bayley, W. H., & Son	Peacham, Vt.	25			
Bedford, E. T.	Greens Farms, Conn.			39	
Belhaven College	Hooker St., Jackson, Miss.	2	18		
Bennett, S. H.	Salem, Ohio.	14	7		
Berry, A. M.	Mitchells, Va.	4	24		
Beseuden, George	Norwalk, Ohio.	10			
Blanchard, Fred S.	Cumberland Center, Me.	5	20		
Blanchard, George	Cumberland Center, Me.	31			
Blanton, J. R.	McDuff, Va.			6	32
Bliss, S. W.	Saint Albans, Vt.	61			
Brackett, C. A.	Long Lake, Minn.			28	
Bradbury, W. L.	Orange, Va.	8			

JERSEY—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Bramingham, J. & J. C.	Winona, Ohio.	52	3		
Briggs, F. V.	Stillwater, Minn.	6	10		
Brown, James G.	Salisbury, N. C.	1	5		
Brown, Percy	Spring Hill, Tenn.	33			
Burnheim, Isaac	Anchorage, Ky.	11			
Burr, O. P.	Romford, Conn.	15			
Butler, W. H.	Sandusky, Ohio.	2	5		
Bush, C. H.	Laurel, Miss.	1	28		
Byram, Belt	Wheatland, N. Dak.	18			
Callahan, George W.	Knoxville, Tenn.	65			
Caine, John T.	Richmond, Utah.	31			
Camps, H. N.	Knoxville, Tenn.	37			
Candon, John B.	Pittsford, Vt.	2	31		
Cannon, A. B.	Philadelphia, Tenn.	61			
Chandler, A. B.	Sheridan, Ore.	6	5		
Chandler, F. Cobb	Lisbon Falls, Me.	14			
Cherokee Indian School	Cherokee, N. C.	1	22		
Clement & Taylor	Winthrop, Me.	4	7		
Cleveland, W. H.	Gresham, Ore.	13			
Cliff, M. T.	Lake City, Minn.			11	
Cobb, C. F.	Lisbon Falls, Me.	14			
Colbert, J. B.	Fredericksburg, Va.	4	27		
Cole, W. W., & Son	Enosburg Falls, Vt.	13	15		
Connecticut Agricultural College	Storrs, Conn.	15			
Conode, Mrs. M. A.	Westfield, Ind.	20	1		
Conyer, G. M., & Son	Doster, Mich.	12			
Cope, Seward B.	Winona, Ohio.	10	6		
Courtemanche, W. H.	White River Junction, Vt.	8	19		
Cox, C. M.	Box 96, R. F. D. 1, Waco, Texas.	1	44		
Crabbe, Sam F.	Fargo, N. Dak.			41	27
Cravens, J. M.	Madisen, Ind.	20	1		
Crawford, A. B.	Newark, Ohio.	1	45		
Crist, I. C.	Timberville, Va.	9	6		
Cunningham, J. R.	Rising Sun, Ind.	7	36		
Currie, S.	Park River, N. Dak.			42	8
Darling, George W.	Groton, Vt.	13	12		
Davis, George E.	Becket, Mass.			20	
Davol, Charles J.	Greenwich, R. I.	14	6		
De Pauw, Mrs. N. T.	Lake Villa, Ill.			97	
Dering, J. K.	Haymarket, Va.			6	21
Donnelly, Maurice	Indianapolis, Ind.	7			
Driscoll, J. E.	Liberty, Ind.			26	
Dunn, Estate of E. R.	Southington, Conn.	19			
Edgerton, W. J.	Hanoverton, Ohio.	13			
Elliott, H. L.	Minneapolis, Minn.			7	2
Ewalt, L. J.	Aurora, Ore.	6	9		
Fassett, W. G.	Enosburg Falls, Vt.	10	18		
Ford, J. F.	Newton, Miss.	15	46		
Fox, Irwin	Allegan, Mich.	13			
Frederick, R. E.	Poland, Ohio.	12			
Galbraith, Mrs. H. H.	Knoxville, Tenn.	60			
Gamble, C. W.	Winona, Ohio.	3	11		
Gates, W. B.	Rice, Va.			42	
Gay Bros. Co.	Cavendish, Vt.	3	1		
Gettys, W.	Athens, Tenn.	36	6		
Gifford, E. S.	Auburn, Me.	18			

JERSEY—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade	Pure bred.	Grade.
Gilbert Farm.....	Georgetown, Conn.....			12	
Gooch, G. M.....	Spring Hill, Tenn.....	23			
Graham, Miss Isabel.....	Craftsbury, Vt.....	34	3		
Gresham, J. W.....	Griffin, Ga.....	22	12		
Groom, H. C.....	Warrenton, Va.....	5			
Gude, Charles A.....	Chillum, Md.....	1	10		
Hackett, L. L.....	Canton, Me.....	18			
Hagan, Mrs. Frances.....	Montgomery, Ala.....			37	
Hall, William T.....	Round Hill, Va.....	10	13		
Hanna, L. B.....	Austin Minn.....			17	
Hansen, Carl.....	Shelbyville, Ky.....	37	1		
Hardman, L. G.....	Commerce, Ga.....	9			
Harris, B.....	Pendleton, S. C.....	27	7		
Hatch, A.....	Heber, Utah.....			14	
Hatfield & Waddell.....	Springfield, Ohio.....	39			
Hawkins, W. L.....	Clinton, Miss.....	1	73		
Head, M. L.....	Albert Lea, Minn.....			50	
Hill, Mrs. Birdie.....	South Boston, Va.....	10			
Hill Crest Farm.....	Falls Church, Va.....	3			
Hillyard, E. I.....	Forestville, Va.....	2	5		
Hook, A. L.....	Staunton, Va.....			28	7
Hopkins, R. E.....	Cabot, Vt.....	44			
Hopkins, Sid.....	Aberdeen, Miss.....	1			
Houston, Ernest M.....	Stowe, Vt.....	33			
Houston, W. G.....	Fairfield, Va.....	16	29		
Humphries, T. S.....	Durant, Miss.....	39	34		
Hunt, B. W.....	Eatonton, Ga.....	33	2		
Innes, Duncan.....	Buxton, Me.....	14			
Jacobs, Mrs. H.....	Station D (Carroll), Baltimore, Md.....				
Jewett, Hugh J.....	Darlington, Md.....	13			
Johansen, C. H.....	Gresham, Ore.....	60			
Johnson-Hutts Dairy.....	Saint George, S. C.....	12	6		
Johnson, J. B.....	Manassas, Va.....	1	17		
Johnson, J. O.....	Brownsville, Tenn.....	12	11		
Kellett, C. H.....	Owings, S. C.....	15			
Kelly & Kossar.....	Winne, Me.....	1	15		
Kimball, Mrs. E. M.....	Enosburg, Falls, Vt.....	31	2		
LaBrot, S. W.....	Annapolis, Md.....	24	9		
Ladd, W. M.....	Portland, Ore.....			11	2
La Mar, Horace.....	Liberty, Ind.....			65	
Leach, C. R.....	Enosburg Falls, Vt.....	13	10		
Leach, J. A.....	Enosburg Falls, Vt.....	5	52		
Lenton, John J.....	Passumpsic, Vt.....	27	8		
Linke, Hardin.....	Columbus, Ind.....	2	27		
Lockwood, Charles E.....	Hinsdale, Mass.....			17	
Louisiana State University Experiment Station.....	Baton Rouge, La.....	24	19		
Love, J. W.....	Wayzata, Minn.....	6			
Lowell, H. P.....	North Castine, Me.....	2	20		
Lymburner, L.....	Osage, Minn.....	56			
Lynn, F. E.....	Perrydale, Ore.....	21			
McCulloch, J. F.....	Charlestown, Ind.....	27	21		
McCullough, Harold.....	Charlestown, Ind.....	2	4		
McCutchen, E. B.....	Wisacky, S. C.....	18	19		
McGrady, Ennis.....	Hollins, Va.....	7			
McKinstry, Niell.....	Fishers, Ind.....	1	8		
McNabb, D. Paul.....	Whiteford, Md.....				

JERSEY—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
McVitty, S. H.	Salem, Va.	6			
Mann, E. D.	Brigham, Utah.	7	2		
Mann, E. E.	Ryan, Va.	2	5		
Martin, J. T.	McCormick, S. C.	5	4		
Martin, W. H.	Liberty, S. C.	6	29		
Mathews, J. C.	Jackson, Miss.	29	83		
Mayfield, J. K.	Denmark, S. C.	2	32		
Miller, M. R.	Union, Me.	2	5		
Minnich, R. V.	Carlisle, Ind.	11	17		
Minor, Estate of H. C.	Houma, La.	30	132		
Moors, Veral.	Lee, Me.	1	15		
Morrow, W. O.	Independence, Ore.	36			
Moulton, David E.	98 Exchange St., Portland, Oregon.	33			
Mount Ogden State Farm	Ogden, Utah.	40			
Mount Ogden Stock Farm	Ogden, Utah.	40	2		
Munn, M. D.	Saint Paul, Minn.				81
Newgard, E.	Cumings, N. Dak.	19			
Nichols, G. L.	Enosburg Falls, Vt.	68			
Nims, Karl.	East Orwell, Ohio.	4			
North Dakota State Agricultural School	Fargo, N. Dak.				22
Nuttall, William.	Provo, Utah.	14	3		
Overton, J. N.	Nashville, Tenn.	49	7		
Owings, C. B.	Owings, S. C.	4	25		
Page, E. D.	Bangor, Me.	22			
Payson, Herbert.	Portland, Me.	1	17		
Pemberton, A. L.	Salem, Ohio.	7	5		
Pemberton, Tom.	Greensboro, N. C.	2	3		
Perkins, C. V.	Penobscot, Me.	1	5		
Perley, Theo. W.	Enosburg Falls, Vt.	43	14		
Peterson, Charles.	Rosendale, Wis.	31	4		
Pike, R. L.	Geneva, Ohio.	2	4		
Pike, S. C.	Route 4, Montpelier, Vt.	12	24		
Polson, A. F.	Hammond, Minn.	8	22		
Randall, C. S.	84 Come St., Portland, Me.				7
Redd, S. R.	Hanover, Va.				10
Reed, Sam R.	Chattanooga, Tenn.	78			29
Reid, Clifford.	Portland, Ore.	45			
Reynolds, Edw. E.	La Fayette, Ind.	8	1		
Richards, E. K.	Concord, Vt.	4			
Richards, H. F.	Salem, Ohio.	28			
Richardson, Leon.	Amelia, Va.	1	42		
Robbins, Maurice.	Augusta, Me.	1	9		
Rockett, L. E.	Randleman, N. C.	2	10		
Rohwer, Martin.	Brigham, Utah.	7			
Roller, D. F.	Timberville, Va.	11	10		
Roller, J. S.	Timberville, Va.	11	5		
Row, J. M.	R. F. D. 1, Waco, Tex.	1	25		
Rowe, M. B.	Fredericksburg, Va.				70
Rupert, Benjamin, & Son.	New Waterford, Ohio.	25			31
Saul, B. F.	Kensington, Md.				6
Saunders, E. M., Jr.	Saint Paul, Minn.				28
Savage, C. H.	Storrs, Conn.	26			7
Savage, T. M. & W. I.	Berlin, Conn.				31
Scribner, Roy.	Rosendale, Wis.				10
Senour, W. H.	Brookville, Ind.				22
Shaw, H. O.	Zionsville, Ind.				17

JERSEY—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Shipman, R. J.	Shelbyville, Ky.	69	3		
Shirley, H. C.	Liberty, S. C.	12	57		
Shuford, R. L.	Newton, N. C.	101			
Shuler, Mrs. Alice M.	Motley, Va.			14	
Slade, G. T.	White Bear Lake, Minn.			17	
Slater, William A.	Lenox, Mass.	28			79
Smith Bros.	Murray, Utah.				
Smith, C. H.	Warrenton, Va.	2	5		
Smith, D. M.	Lyndonville, Vt.	8	11		
Smith, E. W.	East Berkshire, Vt.	11	22		
Smith, Harrison E.	Chelsea, Vt.	17			
Smith, I. M.	Kinards, S. C.	5	35		
Smith, L. Frank.	Salem, Ohio.	7			
Smith, Owen.	Portland, Me.	18			
Smith, R. W.	East Corinth, Me.	17	10		
Stackey, O. H.	Zionsville, Ind.	2	6		
Stamp, J. W.	Salem, Ohio.	10	9		
Steer, Wilson J.	Hanoverton, Ohio.	18	2		
Sterchi, J. G.	Knoxville, Tenn.	20	11		
Stonebraker, J. E.	Hagerstown, Md.	23			
Stratton, Dielyn.	Winona, Ohio.	16			
Stratton, W. B.	Winona, Ohio.	21			
Stringfellow, Miss Susie.	Elkwood, Va.	1	21		
Stump, D. B.	Monmouth, Ore.	22			
Sweet, J. L.	Attleboro, Mass.	13			
Tagget, C. A.	Fairgrove, Mich.	9			
Taylor, G. S.	Withrow, Minn.	23			
Taylor Plantation.	Columbia, S. C.	161			
Teams, J. W.	Muldon, Miss.	1			
Thomas, Robert.	Portland, Me.	19			
Thomas, W. W.	Falls Church, Va.			30	
Thompson, J. F.	211 State St., Portland, Me.	4	3		
Toms, J. A.	Bottineau, N. Dak.	19	15		
Towle, S. C.	Enosburg Falls, Vt.	37			
Turner, Mrs. S. M.	Buckfield, Me.	2			
University of Tennessee.	Knoxville, Tenn.	39	2		
Utah School for Deaf and Blind.	Ogden, Utah.			13	2
Vail School Farm.	Lyndonville, Vt.	9	10		
Vance, R. C.	Fredericksburg, Va.	51			
Vandervelden, J. W.	Roy, Ore.	10	35		
Van Valkenbergh, N. W.	Osakis, Minn.	15	11		
Vermont State Agricultural School.	Randolph, Vt.	18	6		
Walker, J. W. G.	Bromfield, Me.	14	9		
Wambersie, A. C.	Orange, Va.			13	25
Ward, H. C.	Terry, Miss.	1	44		
Watson, Asa.	Strong, Miss.	29	31		
Watson, John B.	Becket, Mass.	5			
Watson, Tom.	Strong, Miss.	21	23		
Wedge, J. D.	Allegan, Mich.	17			
Welton, E. B.	Tracy, Conn.			4	
Whisman, J. C.	Benham, Va.	1	43		
White, Thomas.	Hooker, Ohio.	21			
Whitehead, Frank.	Biddeford, Me.	1			
Whitehead, P. B.	Quakertown, Pa.	17			
Whitford, Scott.	Kendallville, Ind.	24		1	
Willetts, J. Macy.	New Marlboro, Mass.	16			

JERSEY—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Wilson, Emma J.	Excelsior, Minn.	4	1		
Wilson, Henry M.	Cumberland Center, Me.	1	9		
Wilson, Willard	Cumberland Center, Me.	9	8		
Winder, W. C.	Salt Lake City, Utah			37	1
Wolf, F. W.	Montevideo, Minn.			25	
Wood, W. H.	Murfreesboro, Tenn.	6			
Woodriff, John J.	Somerset, Va.			11	24
Yager, Dr. Henry	Somerset, Va.	1	47		

MILKING SHORTHORN.

Whitney, H. J.	Portland, Me.	9	3		
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POLLED DURHAM.

Burt, C. O.	Stowe, Vt.	7			
Fetchenheir, H.	Waldorf, Minn.	16			
Hansen, M. H.	Murdoeck, Minn.	72			
Kirk, J. S.	Devils Lake, N. Dak.			48	25
Lamberson, L.	Warren, Minn.			28	
Murray, William A.	Wadena, Minn.			38	7
Nickerson, F. B.	Good Thunder, Minn.	18			
Norwood, C. F.	Balaton, Minn.	7	2		
Regnier Bros.	Cottonwood, Minn.	14	10		
Stutz, H. A.	Thompson, N. Dak.	45			

POLLED HEREFORD.

Coyner, Hugh	Waynesboro, Va.	10	20		
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RED POLLED.

Aultfather, D. C.	Austin, Minn.			25	
Aultfather, G. F.	Austin, Minn.			15	
Aultfather, J. H.	Austin, Minn.			39	
Bixby, J. C.	Lisbon, N. Dak.			12	
Broste, Henry J.	Pekin, N. Dak.			14	
Brown, W. W.	Amenia, N. Dak.	10			
Craddock, E. B.	Cluster Springs, Va.			40	
Donnelly, J. A.	Oakes, N. Dak.	5	15		
Du Luth, Jean	Duluth, Minn.			44	
Faust, I. H.	Ramiseur, N. C.	8	8		
Foot, F. W.	Red Wing, Minn.			26	
Gier, Chris.	Mountain, N. Dak.	11	7		
Harrison, J. M.	Glenwood, Minn.	22	5		
Hollekin, L. E.	Palermo, N. Dak.			14	
Johansen, Jorgen & Son	Tyler, Minn.			42	
Metcalf, J. L.	Little Falls, Minn.			15	
Nelson, Frank.	London, Ohio.	50			
Read, M. D.	White Bear, Minn.	11			
Reynolds, W. N.	(West View Farm)				
	Winston-Salem, N. C.	9	6		

RED POLLED-Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Spandl Bros.....	Little Falls, Minn.....			7	
Stearns, L. E., & Son.....	Detroit, Mich.....			16	
Stump, F. P.....	Convoy, Ohio.....	17			
Thormodson, Thco.....	Hanska, Minn.....			7	18
Wood, L. A.....	Luverne, N. Dak.....	8			
Yost, F. V.....	Emmons, Minn.....			31	2

SHORTHORN.

Agricultural College of Utah.....	Logan, Utah.....	10			
Allsop, Ezra.....	Bozeman, Mont.....	23			
Archbold, Frank.....	Pingree, N. Dak.....			15	
Armstrong, John D.....	Hannaford, N. Dak.....	23	6		
Arnold, Ray.....	Auburn, N. Dak.....	18			
Ashwell Bros.....	Williston, N. Dak.....	4			
Atkins, J. C.....	Salesville, Mont.....	16			
Aune, P.....	Lamberton, Minn.....			35	
Bandas, Ed.....	Biscay, Minn.....			17	2
Bandas, Frank.....	Biscay, Minn.....			42	1
Barnett, J. C.....	Kilkenny, Minn.....			32	
Beaton, Duncan.....	Bottineau, N. Dak.....			58	
Benniwell, H. H.....	Hutchinson, Minn.....	13			
Berg, Lewis.....	Cooperstown, N. Dak.....	9			
Billing, J. S., & Son.....	Fergus Falls, Minn.....	23			
Black, Dave.....	Grandin, N. Dak.....	23	6		
Black, R. W.....	Ambrose, N. Dak.....			16	
Bliss, J. W.....	Pekin, N. Dak.....	6	17		
Bringold, J. D., & Son.....	West Concord, Minn.....	25	9		
Brown, J. Stanger.....	Rural Retreat, Va.....	6	9		
Brown, W. W.....	Amenia, N. Dak.....	10			
Burt, C. O.....	Stowe, Vt.....	7			
Calderwold, J. G.....	Crary, N. Dak.....	2	9		
Cassell, S. S.....	Rural Retreat, Va.....	12			
Cather, John C.....	Winchester, Va.....			10	8
Clark, David.....	Bottineau, N. Dak.....			29	
Clark, Harry S.....	Kimbrae, Minn.....	11	3		
Connecticut Agricultural Col- lege.....	Storrs, Conn.....	9			
Cook, G., & Anderson.....	Bozeman, Mont.....	21	5		
Cooper, M. W.....	Spring Valley, Minn.....	17			
Coughlin, M. P.....	Montgomery, Minn.....	21			
Crowley, Nick & J. F.....	Chatfield, Minn.....	28			
Dahl, C. P.....	Crary, N. Dak.....	6	11		
Dahl, F. C.....	Crary, N. Dak.....	3			
Dahl, Peter P.....	Crary, N. Dak.....	4	7		
Dickinson, W. F.....	Fairmont, Minn.....	3			
Dion Bros.....	Devils Lake, N. Dak.....	2			
Dittmer, A. F.....	Leonard, N. Dak.....	2			
Donnelly, John, & Son.....	Grafton, N. Dak.....			21	12
Downing Farm.....	La Moure, N. Dak.....	1			
Duffey, Mathew.....	Esmond, N. Dak.....			21	5
Edmonds, V. S.....	Chandler, N. Dak.....	41	3		
Edwards, George, & Son.....	Kempton, N. Dak.....	16			
Eide, J. H.....	Montevideo, Minn.....	35	2		
Einarson, C. A.....	Gardar, N. Dak.....	3	8		
Elliott, S. F., & Son.....	Salesville, Mont.....	15	27		

SHORTHORN—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Ellison, M., & Son.....	La Moure, N. Dak.....	3			
Ellison, O. O.....	La Moure, N. Dak.....	4			
Farquhausen, R. M.....	Cando, N. Dak.....	17			
Fletcher, S.....	Roger, N. Dak.....			45	
Foster, S.....	Williston, N. Dak.....	7			
Freese, Arthur.....	Marshall, Minn.	28			
Freese, N. W.....	Marshall, Minn.	31			
Gibbens, A. C.....	Forest River, N. Dak.....	6	6		
Gislason, Mrs. Gudrum.....	Milton, N. Dak.....	1	22		
Glotfelter, C. G.....	Waterville, Minn.			43	
Gray, O. B.....	Page, N. Dak.....	1			
Greenwold, L. J.....	Anoka, Minn.			30	11
Hage, John J.....	Hanska, N. Dak.....	16	5		
Halifax Co. Farm.....	South Boston, Va.....	11			
Halvorson, H. S.....	McHenry, N. Dak.....	2			
Hammer Bros.....	Cooperstown, N. Dak.....	18			
Hammet, C. I. & I. H.....	Crawfordsville, Ind.....	12	3		
Hardman, L. G.....	Commerce, Ga.	5	5		
Harleman, T. E.....	Driscoll, N. Dak.....	8	7		
Harris, Frank.....	Park River, N. Dak.....	10			
Harris, John A.....	Park River, N. Dak.....			11	
Hart, Larkin.....	Williston, N. Dak.....			12	
Hawkes, A. S.....	Waseca, Minn.			21	
Hawkins, W. L.....	Clinton, Miss.	1			
Hazel, C. H. G.....	Mapleton, Minn.			23	3
Hefty, T. N.....	Walcott, N. Dak.....	13			
Hellsvig, John M.....	Maddock, N. Dak.....	4	15		
Hetter, W. P.....	Esmond, N. Dak.....	2	5		
Hofstrand, C. H.....	Brinsmade, N. Dak.....	15	4		
Holm, Nels.....	Kensol, N. Dak.....	6			
Holmes, Peter.....	Park River, N. Dak.....	6			
Holmes, S. D.....	Leeds, N. Dak.....	3			
Homuth, Martin.....	Kensal, N. Dak.....	8	22		
Horsley, A. G.....	Sioux Pass, Mont.....	16			
Hudson, E. W.....	Hunter, N. Dak.....	14	14		
Huffine, J. C.....	Bozeman, Mont.	15	3		
Ista, Frank.....	Walcott, N. Dak.....	1			
Johnson, Agnes.....	Grafton, N. Dak.....	5	5		
Johnson, A. M.....	Esmond, N. Dak.....	1	13		
Johnson, Andrew.....	Watford, N. Dak.....	1			
Johnson, C. A.....	Williston, N. Dak.....	12	4		
Johnson, J. C.....	Mandan, N. Dak.....	15			
Johnson, Martin.....	Esmond, N. Dak.....	1	9		
Jones, J. W.....	Pendleton, Ind.	7	6		
Jones & Frybeck.....	Warren, Ind.	18	2		
Karding, F. C.....	Penn, N. Dak.....	23			
Keith, G. C.....	Mapleton, Minn.	9	6		
Keller, William.....	Hatton, N. Dak.....	7			
Kelly, Mrs. C. W.....	Devils Lake, Minn.....	7	2		
Kent, Jas. L.....	Pulaski, Va.	2	4		
Kiarg, James E.....	Curry, Minn.	20	4		
Kiser, M. D.....	Roger, N. Dak.....			12	
Knapp School of Country Life	Nashville, Tenn.	5			
Knauss, C. W.....	Waseca, Minn.	20			
Knutson, Nels, & Son.....	Fullerton, N. Dak.....			13	7
Lamb, J. A.....	Michigan, N. Dak.....	16			
Landon, F. C.....	Winona, Minn.			87	

SHORTHORN—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade.
Langen, C. R.	Cottonwood, Minn.	17	11		
Lawson, R. M.	Burkes Garden, Va.	34			
Lee, C. R.	Villard, Minn.			37	
Lee, Ole O.	Williston, N. Dak.	3	8		
Lemieux, Peter	Rolette, N. Dak.	10			
Leonard, Will	Rolette, N. Dak.	1			
Loy, O. O.	Mercer, N. Dak.	2			
Lunden, Hans J.	Roseglen, N. Dak.	5	21		
Lunden, John J.	Roseglen, N. Dak.	1	12		
McAllister, D.	Devils Lake, N. Dak.			18	4
McCahill, Mrs. J.	Lake City, Minn.	17	35		
McCulloch, Graham	Jessie, N. Dak.	2			
McCulloch, Norman	Jessie, N. Dak.	2			
McDonald, A. W.	Ellendale, N. Dak.	13			
McLaughlin, D. F.	Cando, N. Dak.			37	
Magill, Rowland	Verona, N. Dak.	21	2		
Mastin, H.	Huntsville, Ala.	20			
Mitchell, A.	Jasper, Minn.			64	
Moss, H. T.	Hickman, Tenn.	14	6		
Moun, Philip	Buffalo, N. Dak.	23			
Musson, F. C.	Mercer, N. Dak.	2			
Nashville, Chattanooga & St. Louis Railway Co.	Nashville, Tenn.	12	4		
Nassett, John	Esmond, N. Dak.	1	13		
Nebeker, A., & Sons	Lake Town, Utah	173			
Nelson, John G.	Fullerton, N. Dak.			25	
Newton, Norman	Cogswell, N. Dak.			24	
Norwood, C. F.	Balaton, Minn.	7	2		
Norwood, F. F.	Balaton, Minn.	7	14		
Novak, Charles J.	Lankin, N. Dak.	3	9		
O'Connell, John D.	Lesueur Center, Minn.	8	1		
Odell, S. B.	Shelburn, Ind.	1	3		
Okon, Peter	Barton, N. Dak.	10	1		
Oliver, R. C.	McCluskey, N. Dak.	29			
Parker, L. J.	Sandusky, Ohio.	2	7		
Pazandak, Joseph	Fullerton, N. Dak.	22	2		
Pennington, H. K.	Milnor, N. Dak.	9			
Peterson, Axel W.	Rosholt, S. Dak.	26	10		
Plath, J.	Argusville, N. Dak.	6			
Potter, John F.	Springfield, Minn.	18	8		
Pray, W. H.	Valley City, N. Dak.	3	9		
Putzier, C.	Litchfield, Minn.	19	37		
Quinn, W.	Lamberton, Minn.			8	2
Rand, A.	Windon, Minn.			25	
Ransom, Ross	Sandusky, Ohio.	2	8		
Reid, James	Courtenay, N. Dak.			17	
Rhodes, Will M.	Sheridan, Mont.	39	6		
Richaby, A. S.	Anoka, Minn.	25	5		
Ridley, W. P.	Columbia, Tenn.	9	10		
Riordan, Dennis	Lamberton, Minn.			33	
Russell, Henry	Bottineau, N. Dak.	8	10		
Russell, J. B.	Bottineau, N. Dak.	19	5		
Sanborn, E. D.	Racine, Minn.	15	4		
Sand, C. U. & A. U.	Opheim, Mont.	28	2		
Sayres, A. L.	Lakeville, Minn.			16	
Scamor, W. M.	Noonan, N. Dak.	21	1		
Scheer, H. C.	Hamberg, N. Dak.	17			

SHORTHORN—Continued.

NAME.	ADDRESS.	Once tested without reactors.		Accredited.	
		Pure bred.	Grade.	Pure bred.	Grade,
Schmidt, G. C.	Emmons, Minn.	10	10		
Schroeder, Nick	McClusky, N. Dak.	1			
Schwarble, C. S.	Eagle Lake, N. Dak.			24	
Scott, J. H.	Forest River, N. Dak.	7			
Searles, S. L.	Dalton, Minn.			35	
Seaworth, Thomas	Calvin, N. Dak.	13			
Serickson, Earl	Woodworth, N. Dak.	2			
Shaw, W. B.	Rhame, N. Dak.	15			
Shellum, A. W.	Hanska, Minn.	8	27		
Shorter, L. E.	Dodge Center, Minn.	10	11		
Smith, Andrew	Maddock, N. Dak.	4	10		
Smith, Charles	Fargo, N. Dak.	18	1		
Smith, Chesbro	Fargo, N. Dak.	17			
Smith, C. S.	Memphis, Tenn.	32	11		
Smith, C. S., & Co.	Bozeman, Mont.	10			
Smith, W. B.	Freemont, Ohio	7	4		
Souderland, Ole	Petersburg, N. Dak.	7	10		
Stensland, E. G.	Mabel, Minn.	37			
Stenslund, John L.	Edinburg, N. Dak.	1	26		
Stickney, S. E.	Lewiston, Minn.			11	3
Stoner, M. E.	Albert Lea, Minn.	31			
Summers, H. L.	Bozeman, Mont.	40	1		
Swann, A. K.	Jefferson City, Tenn.	23	1		
Swengel, R. D.	Esmond, N. Dak.	1	14		
Thoburn, W. A.	Wyndmere, N. Dak.	7			
Thomas, O. H.	Freemont, Ohio	11			
Todd, H. P., & Son	Altura, Minn.	27			
Turnbull, W. F.	Harwood, N. Dak.	17			
Uglum, Jim	Bowbells, N. Dak.			27	3
University of Tennessee	Knoxville, Tenn.	10			
Vie, Ole O.	Lisbon, N. Dak.			19	
Walpole, E. E.	Hancock, Minn.	24			
Wam, Mrs. Ellen	Hannaford, N. Dak.	13			
Ward, C. A.	Hazelton, N. Dak.	16			
Watt & Tuck	Thomasville, Ga.	16			
Weghy, Joe	Williston, N. Dak.	6			
West Tennessee Experiment Station	Jackson, Tenn.	20			
Wheeler, J. M.	Marion, N. Dak.	3			
White, A.	Kramer, N. Dak.			20	
White, A. H.	Kramer, N. Dak.	33			
Whitson, S. L. & W. V.	Centerville, Tenn.	18			
Wichmann, Carl	Leonard, N. Dak.	1			
Wigley, Joseph	Williston, N. Dak.	4			
Wild, John	Milton, N. Dak.			101	
Wiper & Green	Sheldon, N. Dak.	17	7		
Wold, Anton	Maddock, N. Dak.	9	3		
Wolf, R. A., & Son	Morristown, Minn.	14	1		
Wood, John W.	Linden, Va.	18	12		
Wright, Don, & Son	Wahpeton, N. Dak.	13			
Wyatt, J. R., & Son	Bozeman, Mont.	27	5		

UNIFORM METHODS AND RULES FOR TUBERCULOSIS-FREE ACCREDITED HERDS OF PURE-BRED CATTLE.

Unanimously Adopted by the United States Live Stock Sanitary Association and by Representatives of Pure-Bred Cattle Breeders' Associations, and Approved December 23, 1917, by the United States Bureau of Animal Industry.

1. A tuberculosis free accredited pure-bred herd is one which has been tuberculin-tested by the subcutaneous method, or any other test approved by the Bureau of Animal Industry, under the supervision of the Bureau of Animal Industry, or a regularly employed veterinary inspector of the State in which cooperative tuberculosis-eradication work is conducted jointly by the United States Department of Agriculture and the State. Further, it shall be a herd in which no animal affected with tuberculosis has been found upon two annual or three semiannual tuberculin tests, as above described, and by physical examination.

2. The entire herd, or any cattle in the herd, shall be tuberculin-tested or retested at such time as is considered necessary by the Federal and State authorities.

3. No cattle shall be presented for the tuberculin test which have been injected with tuberculin within 60 days immediately preceding or which have at any time reacted to a tuberculin test.

4. No herd shall be classed as an accredited herd in which tuberculosis has been found by the application of the test, as referred to in paragraph 1, until such herd has been successfully subjected to two consecutive tests with tuberculin, applied at intervals of not less than six months, the first interval dating from the time of removal of the tuberculous animal from the herd.

5. Prior to each tuberculin test satisfactory evidence of the identity of the registered animals shall be presented to the inspector. Any grade cattle maintained in the herd, or associated with animals of the herd, shall be identified by a tag or other marking satisfactory to the State and Federal officials.

6. All removals of registered cattle from the herd, either by sale, death, or slaughter, shall be reported promptly to the said State or Federal officials, giving the identification of the animal and, if sold, the name and address of the person to whom transferred. If the transfer is made from the accredited herd to another accredited herd, the shipment shall be made only in properly cleaned and disinfected cars. No cattle shall be allowed to associate with the herd which have not passed a tuberculin test approved by the State and Federal officials.

7. All milk and other dairy products fed to calves shall be that produced by an accredited herd, or, if from outside or unknown sources, it shall be pasteurized by heating to not less than 150° F. for not less than 20 minutes.

8. All reasonable sanitary measures and other recommendations by the State and Federal authorities for the control of tuberculosis shall be complied with.

9. Cattle from an accredited herd may be shipped interstate, by certificate obtained from the office of the State live stock sanitary officials of the State in which the herd is located or from the office of the Bureau of Animal Industry, without further tuberculin test for a period of one year, subject to the rules and regulations of the State of destination.

10. Strict compliance with these methods and rules shall entitle the owners of tuberculosis-free herds to a certificate, "Tuberculosis-Free Accredited Herd," to be issued by the Bureau of Animal Industry and the State live stock sanitary authority. Said certificate shall be good for one year from date of test unless revoked at an earlier date.

11. Failure on the part of owners to comply with the letter or spirit of these methods and rules shall be considered sufficient cause for immediate cancellation of cooperation with them by the State and Federal officials.



